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(54) Title: DOUBLE BIFOCAL INTRAOCULAR LENS-SPECTACLE TELESCOPIC DEVICE FOR LOW VISION USE

(57) Abstract: A double bifocal intra-ocular lens and spectacle system that can be used to enhance the vision of persons suffering from low-vision includes a first optical element placed in or on the eye, and a second optical element placed external to the eye. In particular, the first optical element is designed to be placed in or on the eye. This element includes an inner region and an outer annular region with first and second optical powers respectively. A second optical element that has two regions is disposed external to the eye and aligned so that a first region having a third optical power is optically coupled to the outer annular region for normal vision and the respective optical powers are selected to provide for the standard distance correction of the eye. The second region is arranged so that when aligned with the eye, the second region and the inner region of the first optical element form a Galilean telescope that provides for a magnified image to be provided therefrom.

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